

RAW SEQUENCE LISTING

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Application Serial Number: 10/512,045A
Source: IFWP
Date Processed by STIC: 6/30/06

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IFWP

RAW SEQUENCE LISTING DATE: 06/30/2006
 PATENT APPLICATION: US/10/512,045A TIME: 08:34:44

Input Set : A:\P70201US0 sequence listing.txt
 Output Set: N:\CRF4\06302006\J512045A.raw

3 <110> APPLICANT: NEOVACS
 5 <120> TITLE OF INVENTION: non immunosuppressive immunogenic or vaccine
 6 composition comprising a mutated E7 protein
 7 of the HPV-16 virus
 9 <130> FILE REFERENCE: NEOVACS - N729-PCT
 11 <140> CURRENT APPLICATION NUMBER: US/10/512,045A
 12 <141> CURRENT FILING DATE: 2004-10-21
 14 <150> PRIOR APPLICATION NUMBER: FR0205173
 15 <151> PRIOR FILING DATE: 2002-04-24
 17 <160> NUMBER OF SEQ ID NOS: 4
 19 <170> SOFTWARE: PatentIn Ver. 2.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 92
 23 <212> TYPE: PRT
 24 <213> ORGANISM: artificial sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: artificial sequence
 28 description: a mutated E7 protein
 29 of the HPV-16 virus: E7-delta-21-26
 31 <400> SEQUENCE: 1
 32 Met His Gly Asp Thr Pro Thr Leu His Glu Tyr Met Leu Asp Leu Gln
 33 1 5 10 15
 35 Pro Glu Thr Thr Gln Leu Asn Asp Ser Ser Glu Glu Glu Asp Glu Ile
 36 20 25 30
 38 Asp Gly Pro Ala Gly Gln Ala Glu Pro Asp Arg Ala His Tyr Asn Ile
 39 35 40 45
 41 Val Thr Phe Cys Cys Lys Cys Asp Ser Thr Leu Arg Leu Cys Val Gln
 42 50 55 60
 44 Ser Thr His Val Asp Ile Cys Thr Leu Glu Asp Leu Leu Met Gly Thr
 45 65 70 75 80
 47 Leu Gly Ile Val Cys Pro Ile Cys Ser Arg Lys Pro
 48 85 90
 52 <210> SEQ ID NO: 2
 53 <211> LENGTH: 276
 54 <212> TYPE: DNA
 55 <213> ORGANISM: artificial sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: artificial sequence
 59 description: a mutated E7 protein
 60 of the HPV-16 virus: E7-delta-21-26E7-delta-21-26
 62 <400> SEQUENCE: 2
 63 catggagata cacctacatt gcatgaatat atggttagatt tgcaaccaga gacaactcaa 60
 64 ttaaagtaca gctcagagga ggaggatgaa atagatggtc cagctggaca agcagaaccg 120

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65 gacagagccc attacaatat tgtaaccttt tgttgcaagt gtgactctac gcttcggttg 180
66 tgcgtacaaa gcacacacgt agacattcgt actttggaag acctgttaat gggcacacta 240
67 ggaattgtgt gcccctctg ttctcagaaa ccataa 276
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 98
72 <212> TYPE: PRT
73 <213> ORGANISM: Human papillomavirus type 16
75 <400> SEQUENCE: 3
76 Met His Gly Asp Thr Pro Thr Leu His Glu Tyr Met Leu Asp Leu Gln
77 1 5 10 15
79 Pro Glu Thr Thr Asp Leu Tyr Cys Tyr Glu Gln Leu Asn Asp Ser Ser
80 20 25 30
82 Glu Glu Glu Asp Glu Ile Asp Gly Pro Ala Gly Gln Ala Glu Pro Asp
83 35 40 45
85 Arg Ala His Tyr Asn Ile Val Thr Phe Cys Cys Lys Cys Asp Ser Thr
86 50 55 60
88 Leu Arg Leu Cys Val Gln Ser Thr His Val Asp Ile Cys Thr Leu Glu
89 65 70 75 80
91 Asp Leu Leu Met Gly Thr Leu Gly Ile Val Cys Pro Ile Cys Ser Arg
92 85 90 95
94 Lys Pro
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 294
101 <212> TYPE: DNA
102 <213> ORGANISM: Human papillomavirus type 16
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106 ctctactgtt atgagcaatt aaatgacagc tcagaggagg aggatgaaat agatggtcca 120
107 gctggacaag cagaaccgga cagagcccat tacaatattg taaccttttg ttgcaagtgt 180
108 gactctacgc ttcggttgtg cgtacaaagc acacacgtag acattcgtac tttggaagac 240
109 ctgttaattg gcacactagg aattgtgtgc cccatctgtt ctcagaaacc ataa 294

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VERIFICATION SUMMARY

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